

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

APPLICANT(S):

Fike et al.

SERIAL NO.:

10/666,914

GROUP NO.:

2874

FILING DATE:

September 19, 2003

EXAMINER:

Not yet assigned

TITLE:

Mode Converter Including Tapered Waveguide for Optically Coupling

Photonic Devices

Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450

INFORMATION DISCLOSURE STATEMENT

Sir:

In accordance with the provisions of 37 C.F.R. 1.97 and 1.98, Applicants hereby make of record the patents and publications listed on the accompanying Form PTO-1449, and other information contained herein, for consideration by the Examiner in connection with the examination of the above-identified patent application. In accordance with the U.S. Patent Office's partial waiver of the requirement under 37 C.F.R. 1.98(a)(2)(i), only copies of the foreign patent documents and non-patent publications are enclosed.

REMARKS

In accordance with the provisions of 37 C.F.R. 1.97, this statement is being filed (CHECK ONE):

(1)	within three (3) months of the filing date of a national application other than a continued prosecution application under 37 C.F.R. 1.53(d), or within three (3) months of the date of entry of the national stage as set forth in 37 C.F.R. 1.491 in an international application, or before the mailing of the first Office action on the merits, or before the mailing of a first Office action after the filing of a request for continued examination under 37 C.F.R. 1.114; or
(2)	after the period defined in (1) but before the mailing date of a final action or a notice of allowance under 37 C.F.R. 1.311, and
	the requisite Statement is below, OR
	the requisite fee under 37 C.F.R. 1.17(p), namely \$180.00, is included herein, or

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	(3)		ter the mailing date of a final action or notice of allowance but before the payment the issue fee , AND
		th	e requisite Statement is below, AND
		th	e requisite petition fee under 37 C.F.R. 1.17(p), namely \$180.00 is included herein.
	It is respe	ctfully	requested that each of the patents and publications listed on the attached Form
PTO-	-1449, and	lother	information contained herein, be made of record in this application.
			STATEMENT
	As requir	ed und	ler 37 C.F.R. 1.97(e), Applicant(s), through the undersigned, hereby state either that
[chec	k the app	ropri	ate space only if either (2) or (3) is checked on the previous page and the
State	ement is r	equire	ed]:
		1.	Each item of information contained in the Information Disclosure Statement was
			first cited in any communication from a foreign patent office in a counterpart
			foreign application not more than three months prior to the filing of the
			Information Disclosure Statement; or
		2.	No item of information contained in the Information Disclosure Statement was
			cited in a communication from a foreign patent office in a counterpart foreign
			application, and, to the knowledge of the person signing this Statement after
			making reasonable inquiry, no item of information contained in the Information
			Disclosure Statement was known to any individual designated in 37 C.F.R.
			1.56(c) more than three months prior to the filing of the Information
			Disclosure Statement.

Respectfully submitted,

Joseph A. Capraro, Jr. Attorney for the Applicants Testa, Hurwitz, & Thibeault, LLP

Date: February <u>10</u>, 2004 Reg. No. 36,471

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INFORMATION DISCLOSURE STATEMENT

ATTORNEY DOCKET NO.: CNF-007

APPLICANTS: Fike et al.

SERIAL NO.: 10/666,914

FILING DATE: September 19, 2003 GROUP: 2874

					FILING I	DATE: S	eptember	19, 2003	GR	OUP: 2874
		·	U.S.	PATENT I	OCUME	ENTS			-	
EXAM. INIT.		DOCUMENT NUMBER	DATE	NAME			CLASS			ING DATE IF ROPRIATE
	A1	5,354,709	10/11/1994	Lorenzo et	al.		-			-
	A2	5,838,870	11/17/1998	Soref	Soref					
	A3	6,108,478	3,478 08/22/2000 Harpin et al.							
			FOREIC	GN PATEN	T DOCU	MENTS				
EXAM. INIT.		DOCUMENT NUMBER	DATE	COUNTRY CODE	CLASS	SUB CLASS	FILING DATE	ABSTRACT ONLY		ENGLISH LANG (Y/N)
	B1	JP 04179905	06/26/92					N		N (English language abstract)
	<u></u>	(OTHER AR	T, JOURN	AL ARTI	CLES, E	TC.	•		
EXAM. INIT.	ОТНІ	ER DOCUMENTS	: (Including	Author, Title	Date, Rele	evant Page	s, Place of	Publication	n)	
	C1	"Silicon Antiresonant Reflecting Optical Waveguides," R. A. Soref and K. J. Ritter, Optics Letters, Vol. 15 No. 14, 1990, 792-794.								
	C2	 "Hybrid Optical Integration Technology," M. Kobayashi and K. Kato, Electronics and Communications in Japan, Part 2, Vol. 77 No. 10, 1994, 67-81. "WP 4.2: Silicon-Based Photonic Devices," R. A. Soref, IEEE International Solid State Circuits Conference, 38, 1995, 66-67. "One-Level Gray-Tone Lithography-Mask Data Preparation and Pattern Transfer," K. Reimer, H. J. Quenzer, R. Demmeler, B. Wagner, SPIE, 2783, 1996, 71-79. 						r 1993,		
	C3							l		
	C4									
	C5									
	C6									
	C7 "Telecom Optical Componentry: Past, Present, Future," L. Eldada, Proceedings of the SPIE, 2001, 1-15.									
	C8	"Fabrication of Silicon-on-Insulator Adiabatic Tapers for Low Loss Optical Interconnection of Photonic Devices," J. J. Fijol, E. E. Fike, P. B. Keating, D. Gilbody, J. LeBlanc, S. A. Jacobson, W. J. Kessler, and M. B. Frish, <i>IEEE Photonics West Conference</i> , 2003, 1-14.								
EXAMINER					DATE CONSIDERED					

2 2004 8 3 3 4 5 5 6 5 6 5 6 5 6 5 6 5 6 5 6 5 6 5 6			SHEET 2 of 2				
FORM I	PTO – 1	449	ATTORNEY DOCKET NO.: CNF-007				
INFORM	ATIO	N DISCLOSURE STATEMENT	APPLICANTS: Fike et al.				
			SERIAL NO.: 10/666,914				
			FILING DATE: September 19, 2003 GROUP: 2874				
OTHER ART, JOURNAL ARTICLES, ETC.							
EXAM. INIT.	, , , , , , , , , , , , , , , , , , , ,						
	C9	"Optical Interconnection Using Fiber Arrays and Planar Waveguide Arrays," P. B. Keating, E. E. Fike, J. J. Fijol, and D. Gilbody, <i>Advancing Microelectronics</i> , July/August 2003 , 14-17.					
	C10	PCT/US02/18463 International Search Report August 21, 2003 (5 pages)					
EXAMINER			DATE CONSIDERED				